

FIGURE 1

CGC GGC TGT CGG AGC AAA CGC AAA CCC CCC AGG TTG TTC TAG CGT GTG
5 CAG CGG CTA GCT 60
GAT TGA TTG TCT TCT GTG ATA TAT CCA GAG CTC GTG TTT TGT GGT TTG
TGG TTT GTG GTT 120
TGT GCT TGG ATT GTT GAT GTG CTA ATT CGC GGC GTT ACA AGA TCA CTG
CTG GAT TGA TAT 180
10 TGA GTT GTG CCT CGG CTG TGC TGG CTG TGT GTT GAT TCT CTC CTC GTC
GTG GTG ATC GAT 240
ATG GAG ATT GTT GCA GTA GAT CAG GAG GGA GCT CGT GTT GTT GGG ACG
AAC TGT ATG CTT 300
M E I V A V D Q E G A R V V G T N C M L 20
GCT CGT GGT GGA ACT GGT GCT GTA GCG CCA GTG TTG GAG CTG ACA GCG
ACG CCT CGT CAG 360
A R G G T G A V A P V L E L T A T P R Q 40
20 GAT GCA GCC GCT GAA GCT GGT GTA GAC GAA CCG GCA CAA CAC CAA TGC
GAG CAT TTC TCC 420
D A A A E A G V D E P A Q H Q C E H F S 60
ATA AGA GGG TAT GTT GCT CTT CTT CAG AAG AAG GAT CCA AAA TTC TGC
25 TCT CTA TCT CGG 480
I R G Y V A L L Q K K D P K F C S L S R 80
ATT TTC CAT GAC CAG AAA AAA TGT GAT GAA CAC AAA GCT AGT TCA AGC
CCA TTT TCT GTA 540
30 I F H D Q K K C D E H K A S S S P F S V 100
GCA AAG TTT CGA CGA TGG GAT TGC TCG AAG TGC TTG GAT AAG TTG AAA
ACT TCA GAT AAT 600

A K F R R W D C S K C L D K L K T S D N 120

GGA ACA GCA CCA AGA ACT CTT CCC GCA AAG CAG AAT GGC ACA AGT GAT
GGT TGC TCC ATC 660

5 G T A P R T L P A K Q N G T S D G C S I 140

ACA TTT GTT CGG AGC ACT TTT GTG CCT GCT AGT GTT GGT TCC CAA AAA
GTG TCT CCT AGC 720

T F V R S T F V P A S V G S Q K V S P S 160

10

ACA CAA TCA TCT CAA GGG AAG AAT GCT GAT AGA TCA ACT CTT CCA AAG
AGT GTG CAA GAA 780

T Q S S Q G K N A D R S T L P K S V Q E 180

GGC AAT GAC TCC AAA TGC AAT GCG CCT TCT GGC AAG AAT GGA GCT GCT
GAG GCC AAT ACT 840

G N D S K C N A P S G K N G A A E A N T 200

GAT TCA CCA ATG AAA GAT TTG CAA GGG CCA GCC CAA AAT TAT GAT GTG
GCA GCA AAT GTC 900

D S P M K D L Q G P A Q N Y D V A A N V 220

TCT GAG GAC AAC ACT TCT GTT GAT GTT GGG GCT TTA CCT GAA GTT CCC
CAG ATT ACA TGG 960

25 S E D N T S V D V G A L P E V P Q I T W 240

CAC ATA GAA GTA AAT GGT GCA GAT CAA CCT CCA TCC ACT CCA AAA CTT
TCT GAA GTG GTC 1020

H I E V N G A D Q P P S T P K L S E V V 260

30

CTC AAA AGA AAT GAA GAT GAA AAT GGA AAA ACT GAA GAG ACT CTT GTT
GCT GAG CAG TGC 1080

L K R N E D E N G K T E E T L V A E Q C 280

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AAT TTG ACC AAA GAT CCT AAC CCA ATG TCT GGA AAG GAA CGT GAT CAG
GTT GCT GAG CAG 1140

N L T K D P N P M S G K E R D Q V A E Q 300

5 TGC AAT TTG ACC AAA GAT CCG AAA CCA GTG TCT GGG CAG AAA TGT GAG
CAG ATC TGC AAT 1200

C N L T K D P K P V S G Q K C E Q I C N 320

10 GAG CCA TGT GAA GAA GTT GTT CTC AAA AGA AGC TCC AAA TCT AAG AGG
AAG ACG GAT AAG 1260

E P C E E V V L K R S S K S K R K T D K 340

AAG TTG ATG AAG AAG CAG CAG CAC AGC AAG AAA CGC ACT GCC CAG GCT
GAT GTT TCA GAT 1320

K L M K K Q Q H S K K R T A Q A D V S D 360

GCA AAG CTT TGT CGG AGA AAG CCA AAA AAG GTG CGG CTT CTA TCA GAA
ATT ATA AAT GCT 1380

A K L C R R K P K K V R L L S E I I N A 380

AAC CAG GTT GAG GAT TCT AGA AGT GAC GAA GTT CAT CGT GAA AAT GCC
GCT GAT CCC TGT 1440

N Q V E D S R S D E V H R E N A A D P C 400

25 GAG GAT GAT AGA AGT ACC ATC CCG GTC CCG ATG GAA GTA AGC ATG GAT
ATT CCT GTT AGC 1500

E D D R S T I P V P M E V S M D I P V S 420

30 AAC CAT ACA GTG GGA GAA GAT GGG TTA AAA TCA AGT AAG AAC AAG ACA
AAA CGC AAA TAC 1560

N H T V G E D G L K S S K N K T K R K Y 440

TCT GAT GTT GTA GAT GAT GGA TCA TCA CTT ATG AAC TGG CTG AAT GGA
AAA AAG AAA AGA 1620

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S D V V D D G S S L M N W L N G K K K R 460

ACT GGA AGT GTG CAT CAC ACA GTT GCT CAT CCA GCT GGG AAT TTG AGC
AAC AAA AAA GTG 1680

5 T G S V H H T V A H P A G N L S N K K V 480

ACA CCC ACT GCG AGT ACT CAG CAT GAT GAT GAG AAT GAT ACT GAA AAT
GGT CTT GAC ACA 1740

T P T A S T Q H D D E N D T E N G L D T 500

10

AAT ATG CAT AAG ACA GAT GTC TGT CAG CAT GTA TCA GAA ATC TCC ACA
CAG AGG TGC TCA 1800

N M H K T D V C Q H V S E I S T Q R C S 520

TCA AAG GGG AAA ACA GCG GGT TTG AGT AAG GGG AAA ACA CAT TCA GCT
GCT AGT ACC AAA 1860

S K G K T A G L S K G K T H S A A S T K 540

TAT GGT GGT GAA AGC ACC AGA AAT GGT CAG AAC ATA CAT GTA CTC AGC
GCA GAA GAT CAA 1920

Y G G E S T R N G Q N I H V L S A E D Q 560

TGC CAG ATG GAA ACC GAA AAC TCT GTT CTG AGT CAC TCG GCA AAG GTT
TCT CCA GCT GAG 1980

25 C Q M E T E N S V L S H S A K V S P A E 580

CAT GAT ATC CAA ATT ATG TCT GAC CTT CAT GAG CAG AGT CTA CCC AAG
AAG AAA AAG AAG 2040

30

H D I Q I M S D L H E Q S L P K K K K K 600

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CAA AAA CTT GAA GTG ACT CGT GAA AAA CAG ACC ATG ATA GAT GAC ATC
CCC ATG GAT ATT 2100

Q K L E V T R E K Q T M I D D I P M D I 620

5 GTT GAA CTG CTA GCT AAA AAC CAG CAT GAG AGG CAG CTT ATG ACT GAG
ACT GAT TGT TCT 2160

V E L L A K N Q H E R Q L M T E T D C S 640

10 GAC ATC AAC CGT ATT CAA TCC AAG ACA ACT GCT GAT GAT GAT TGT GTA
ATA GTA GCT GCC 2220

D I N R I Q S K T T A D D D C V I V A A 660

AAG GAT GGT TCA GAT TAT GCA TCA AGT GTG TTT GAC ACT AAT TCC CAA
CAG AAG TCC TTG 2280

15 K D G S D Y A S S V F D T N S Q Q K S L 680

GCA TCC CAA AGT ACA CAG AAG GAG TTA CAG GGT CAT TTG GCA TTG ACC
ACA CAA GAG TCT 2340

A S Q S T Q K E L Q G H L A L T T Q E S 700

20 CCA CAT CCT CAG AAC TTT CAG TCT ACT CAG GAA CAG CAG ACA CAT TTG
CGG ATG GAA GAA 2400

P H P Q N F Q S T Q E Q Q T H L R M E E 720

25 ATG GTC ACT ATT GCT GCA AGC TCA CCA CTA TTT TCA CAT CAT GAT GAT
CAG TAT ATT GCT 2460

M V T I A A S S P L F S H H D D Q Y I A 740

30 GAA GCA CCA ACT GAA CAT TGG GGC CGT AAG GAC GCA AAG AAG CTA ACG
TGG GAG CAA TTT 2520

E A P T E H W G R K D A K K L T W E Q F 760

AAG GCC ACT ACA AGA AAT TCT CCA GCA GCA ACA TGT GGT GCT CAA TTT
AGA CCT GGT ATC 2580

09323068-040501

K A T T R N S P A A T C G A Q F R P G I 780

CAA GCA GTT GAC TTG ACT TCT ACT CAT GTC ATG GGA TCT TCC AGC AAT
TAT GCA TCT CGC 2640

5 Q A V D L T S T H V M G S S S N Y A S R 800

CAA CCA GTA ATT GCG CCA CTG GAC CGC TAT GCT GAA AGA GCG GTT AAC
CAG GTC CAT GCA 2700

Q P V I A P L D R Y A E R A V N Q V H A 820

10

AGA AAT TTT CCA AGC ACA ATA GCA ACC ATG GAA GCG AGT AAG TTA TGT
GAT CGG AGA AAT 2760

R N F P S T I A T M E A S K L C D R R N 840

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15 GCT GGA CAA GTA GTC TTG TAT CCT AAA GAA TCC ATG CCT GCG ACG CAT
CTT CTG AGA ATG 2820

A G Q V V L Y P K E S M P A T H L L R M 860

20

ATG GAT CCA TCA ACA TTA GCA AGC TTC CCC AAC TAT GGA ACT TCT AGC
AGG AAC CAG ATG 2880

M D P S T L A S F P N Y G T S S R N Q M 880

GAG TCT CAA CTT CAT AAT TCT CAG TAT GCA CAT AAT CAG TAC AAA GGA
TCA ACC AGC ACA 2940

25 E S Q L H N S Q Y A H N Q Y K G S T S T 900

TCA TAT GGC AGT AAC CTG AAT GGA AAG ATT CCA TTG ACA TTC GAA GAC
TTA TCA CGG CAT 3000

S Y G S N L N G K I P L T F E D L S R H 920

30

CAG CTG CAT GAT CTG CAC AGA CCT TTA CGC CCA CAT CCT AGA GTT GGT
GTG CTT GGC TCC 3060

Q L H D L H R P L R P H P R V G V L G S 940

TTG CTG CAG AAG GAA ATT GCA AAC TGG TCG GAG AAC TGT GGC ACA CAA
TCT GGT TAT AAG 3120

L L Q K E I A N W S E N C G T Q S G Y K 960

5 TTA GGA GTG TCA ACA GGA ATA ACA TCG CAT CAG ATG AAC AGA AAG GAA
CAT TTT GAA GCC 3180

L G V S T G I T S H Q M N R K E H F E A 980

CTG AAT TCT GGA ATG TTT TCA GCA AAA TGG AAT GCA TTG CAG TTG GGT
10 TCT GTT AGC TCC 3240

L N S G M F S A K W N A L Q L G S V S S 1000

AGT GCA GAT TTT TTA TCA GCG AGG AAC AGC ATA GCT CAA TCT TGG ACC
AGA GGC AAG GGT 3300

S A D F L S A R N S I A Q S W T R G K G 1020

AAA ATG GTT CAT CCC TTG GAT CGG TTT GTG AGA CAG GAT ATC TGT ATA
ACT AAC AAG AAC 3360

K M V H P L D R F V R Q D I C I T N K N 1040

CCA GCT GAT TTT ACT ACA ATC AGT AAC GAT AAC GAG TAT ATG GAT TAC
CGC TGA AGC AGA 3420

P A D F T T I S N D N E Y M D Y R * 1058

25 AAG TGG TGT GCA TAA TTC CTG AAC ATT TAC AAT CAT ACA TTT CAT CTT
TAT GGC GCC AAA 3480

TAG TCA TAC TGT AAG AGG AGG GCT TTG CTG GAT CTG CTG TAA GGC TTC
TTG TAA GTT GTG 3540

GAT GCC CCA TTT TCT GGA TGG GAA CCT GCC AGA CAG TGA ACA AGG GCT

30 TTG CAA GGT GCA 3600

GCA TCC GGT TTT TGT TTT GCC AGT CCA AGA AAC GTC CTC CTG TTA CTT
TGT AGT TGT ACT 3660

CAT ACT AGT GCG CTT GTT TGT ACA AGG AGA AAT GTG TAA CCT TGT TGA
AAA AAA TGT CTC 3720

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CCC CAT TTT GTA ATT ACC ATA AGG AGG TTT ATA GTG TTG TGA GCT GTG
TGT GAC TGA CGG 3780

CGA GAA ATG GTT TTG TCG GTG TTA AGG TTG AAA CGA CTA GCT CTC GTT
ATC AAT GTG TTG 3840

5 TAA ACT TCT AGA TTG ATG TGT TAC CTT ACT CTT GAA GTC AAC ACC GGA
GAA TTT AC 3896

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